

QUINNIPIAC RIVER BASIN

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT--Continued

WATER-QUALITY RECORDS

PERIOD of RECORD.--Water years 1953-54, 1957, 1968 to current year.

PERIOD of DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1969 to December 1970.

WATER TEMPERATURES: November 1969 to December 1970.

EKSTREMES FOR PERIOD of DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 530 microsiemens July 16, 1970; minimum recorded, 47 microsiemens July 4, 1970.

WATER TEMPERATURES: Maximum, 31.0°C July 28, 1970; minimum, 0.0°C on many days during winter periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATURATION) (00301)	FECAL COLIFORM, MFC MF, WATER (COL/100 ML) (31616)	ENTEROCOCCI, MEI MF, WATER (COL/100 ML) (90909)	HARDNESS, TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT 10...	1025	59	386	7.7	18.5	12.5	2.7	9.9	92	535k	60	120	37.0
DEC 06...	1030	49	433	7.6	18.5	10.5	3.7	10.1	91	13300k	12200k	130	39.5
FEB 04...	1110	72	455	7.6	6.0	4.0	4.8	12.9	99	>30000k	5700	120	36.6
APR 03...	1140	137	356	7.5	14.5	12.0	3.6	10.4	96	3900	420	100	31.0
JUN 18...	1045	156	255	7.5	24.0	18.0	7.1	8.7	92	820	1080	75	23.2
JUL 16...	1000	49	434	7.5	27.5	22.5	2.6	7.2	84	390	74	130	39.1
AUG 14...	1030	40	436	7.5	33.0	25.0	3.2	7.4	89	156	39	130	39.1
SEP 12...	1015	50	393	7.7	17.0	18.0	3.4	8.2	87	140	112	120	35.7

Date	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	CARBONATE WATER FIELD (MG/L AS CO3) (00452)	BICARBONATE WATER FIELD (MG/L AS HCO3) (00453)	ALKALINITY WAT TOT IT (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT 10...	6.31	29.1	4.09	0	101	84	20.4	48.0	.2	11.7	228	222	.018
DEC 06...	6.85	29.4	4.97	0	122	101	21.3	50.6	.3	11.2	252	254	.137
FEB 04...	6.48	38.2	3.69	0	99	82	21.8	64.1	.2	10.9	262	264	.184
APR 03...	5.69	26.1	2.62	0	87	71	17.9	45.2	.2	8.21	191	217	.144
JUN 18...	4.14	17.5	2.08	0	67	55	11.9	28.7	.1	9.92	155	165	.031
JUL 16...	6.96	31.6	4.37	0	108	84	22.6	56.7	.3	12.3	258	264	.027
AUG 14...	6.83	30.6	5.59	0	105	86	23.3	52.5	.28	11.0	249	262	.021
SEP 12...	6.32	28.1	4.12	0	99	81	23.0	45.5	.3	11.5	245	235	.089

Date	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOSPHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUMINUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTIMONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYLLIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT 10...	4.16	E.03	--	.54	.45	4.7	.28	.24	.20	5	.15	94	<.06
DEC 06...	4.30	1.63	.87	2.5	2.3	6.8	.97	.89	.84	4	.21	98	<.06
FEB 04...	3.38	.13	.62	.74	.53	4.1	.51	.40	.35	6	.29	91	<.06
APR 03...	2.29	.71	.62	1.3	1.1	3.6	.26	.182	.15	7	.36	87	<.06
JUN 18...	1.78	.07	.54	.61	.39	2.4	.21	.142	.11	10	.24	71	<.06
JUL 16...	4.30	E.02	--	.80	.59	5.1	.33	.29	.23	5	.34	102	<.06
AUG 14...	4.62	<.04	--	.49	.44	5.1	.27	.23	.21	5	.30	97	<.06
SEP 12...	3.72	E.03	--	.85	.45	4.6	.25	.176	.15	6	.33	94	<.06

QUINNIPIAC RIVER BASIN

171

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 10...	.18	<.8	.54	3.9	31	.16	75.1	5.3	3.35	<1	8	.25	4.0
DEC 06...	.08	E.6	.50	3.8	60	.16	73.1	7.2	3.18	<1	9	.22	6.4
FEB 04...	.13	E.5	.63	3.7	52	.26	143	4.9	8.14	<1	16	.24	5.8
APR 03...	.07	<.8	.28	3.0	87	.20	136	4.2	2.60	<1	7	.26	5.4
JUN 18...	.05	<.8	.28	3.1	138	.35	59.9	2.5	2.12	<1	5	.13	6.0
JUL 16...	.10	<.8	.58	4.7	42	.14	54.6	6.6	6.49	<1	8	.26	5.1
AUG 14...	.16	<.8	2.11	5.1	44	.15	74.3	12.8	5.21	<1	6	.30	4.4
SEP 12...	.10	<1.6	.69	4.1	22	.09	81.6	10.5	5.65	<1	6	.27	6.4

Value qualifier codes used in this report:
k -- Counts outside acceptable range